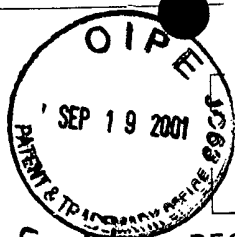


FORM PTO-1619A
Expires 06/30/99
OMB 0651-0027



01-25-2001



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U.S. Department of Commerce
Patent and Trademark Office
PATENT 030586.0017.CIP4

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Execution Date
Month Day Year

1/2/01

Name (line 1) Vincent P. Stanton, Jr.

Name (line 2)

Second Party

Name (line 1)

Name (line 2)

Execution Date
Month Day Year

09638 267

Receiving Party

☐ Mark if additional names of receiving parties attached.

Name (line 1) VARIAGENICS, INC.

Name (line 2)

Address (line 1) 60 Hampshire Street

Address (line 2)

Address (line 3) Cambridge

Massachusetts

02139

City

State/Country

Zip Code

☐ If document to be recorded is an assignment and the receiving party is not domiciled in the United States, an appointment of a domestic representative is attached. (Designation must be a separate document from Assignment.)

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Correspondent Name and Address

Area Code and Telephone Number (858) 720-2500

Name Brobeck, Phleger & Harrison LLP

Address (line 1) 12390 El Camino Real

Address (line 2) San Diego, California 92130-2081

Address (line 3)

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Patent Application Number(s)

Patent Number(s)

09/638,267

If this document is being filed together with a new Patent Application, enter the date the patent application was signed by the first named executing inventor.

Month Day Year

Patent Cooperation Treaty (PCT)

Enter PCT application number only if a U.S. Application Number has not been assigned

PCT

PCT

PCT

PCT

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Number of Properties

Enter the total number of properties involved.

1

Fee Amount

Fee Amount for Properties Listed (37 CFR 3.41):

\$ 40.00

Method of Payment:

Enclosed ☒

Deposit Account ☐

(Enter for payment by deposit account or if additional fees can be charged to the account.)

Deposit Account Number:

50-1273

Authorization to charge additional fees:

Yes ☒ No ☐

Statement and Signature

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document. Charges to deposit account are authorized, as indicated herein.

Wesley B. Ames (40,893)

Name of Person Signing


Signature

January 5, 2001

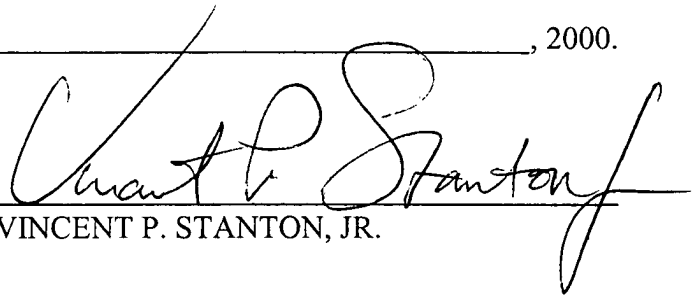
Date

ASSIGNMENT

For valuable consideration, I, VINCENT P. STANTON, JR. of Belmont, Massachusetts and a citizen of the U.S.A. (hereinafter referred to as "Assignor") hereby assign to VARIAGENICS, INC., a corporation organized and existing under and by the virtue of the laws of the State of Delaware and having a place of business at 60 Hampshire Street, Cambridge, Massachusetts 02139, and its successors and assigns (collectively hereinafter called "the Assignee"), the entire right, title and interest throughout the world in the invention and improvements which are the subject of an application for United States Patent filed August 14, 2000, U.S. Serial No. 09/638,267 entitled **GENE SEQUENCE VARIANCES IN GENES RELATED TO FOLATE METABOLISM HAVING UTILITY IN DETERMINING THE TREATMENT OF DISEASE**, and related applications and patents, this assignment including said application, any and all United States and foreign patents granted for any of said inventions or improvements, including all divisions, continuations, reissues, continuations-in-part and extensions thereof, and the right to claim priority based on the filing date of said application and based on the filing date of any provisional application of which said application claims the benefit under the International Convention for the Protection of Industrial Property, the Patent Cooperation Treaty, the European Patent Convention, and all other treaties of like purposes; and I authorize the Assignee to apply in all countries in my name or in its own name for patents and like rights of exclusion and for inventor's certificates for said inventions and improvements; and I agree for myself and my heirs, legal representatives and assigns, without further compensation, upon request to perform such lawful acts, to promptly provide Assignee with all pertinent facts and documents relating to said invention or application as may be known and accessible to me, to testify in any interference or litigation related to said invention or application and to sign such further applications, assignments, Preliminary Statements and other lawful documents as the Assignee may reasonably request to effectuate fully this Assignment.

The Assignor hereby covenants that no assignment, sale, agreement, or encumbrance has been or will be made or entered into which would conflict with this Agreement.

WITNESS my hand at Cambridge MA,
this 2ND day of January, 2000.

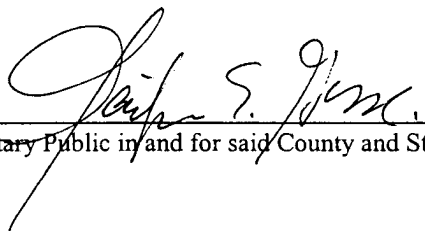

VINCENT P. STANTON, JR.

STATE OF Massachusetts -)
COUNTY OF Middlesex) ss

On 01/02/01 before me, Marlynn E. Gosse, personally appeared
VINCENT P. STANTON, JR.

☒ personally known to me - **OR** - ☐ proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal.


Notary Public in and for said County and State